



Page 1-01-7 1647

TECH CENTER 1600/2900



RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/721,341

DATE: 08/27/2002 TIME: 10:54:51 #16

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3 <110> APPLICANT: Gosling, Jennifa
        Dairaghi, Daniel J.
 5
        Hanley, Michael
        Miao, Zhenhua
        Schall, Thomas J.
        ChemoCentryx, Inc.
10 <120> TITLE OF INVENTION: Chemokine Receptor
12 <130> FILE REFERENCE: 019934-000710US
14 <140> CURRENT APPLICATION NUMBER: 09/721,341
15 <141> CURRENT FILING DATE: 2000-11-21
17 <150> PRIOR APPLICATION NUMBER: US 09/686,020
18 <151> PRIOR FILING DATE: 2000-10-10
                                                      ENTERED
20 <150> PRIOR APPLICATION NUMBER: US 60/159,015
21 <151> PRIOR FILING DATE: 1999-10-12
23 <150> PRIOR APPLICATION NUMBER: US 60/159,210
24 <151> PRIOR FILING DATE: 1999-10-13
26 <150> PRIOR APPLICATION NUMBER: US 60/172,979
27 <151> PRIOR FILING DATE: 1999-12-20
29 <150> PRIOR APPLICATION NUMBER: US 60/173,388
30 <151> PRIOR FILING DATE: 1999-12-28
32 <150> PRIOR APPLICATION NUMBER: US 60/186,626
33 <151> PRIOR FILING DATE: 2000-03-03
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56 gaa atg aat ggc act tat gac tac agt caa tat gaa ctg atc tgt atc
57 Glu Met Asn Gly Thr Tyr Asp Tyr Ser Gln Tyr Glu Leu Ile Cys Ile
60 aaa gaa gat gtc aga gaa ttt gca aaa gtt ttc ctc cct gta ttc ctc
61 Lys Glu Asp Val Arg Glu Phe Ala Lys Val Phe Leu Pro Val Phe Leu
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DATE: 08/27/2002 PATENT APPLICATION: US/09/721,341 TIME: 10:54:51

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			gcc Ala														240
72	65	TYL	Ald	туг	TAT	дуs 70	гуз	GIII	AIG	1111	луБ 75	T 111T	АБР	vaı	TYT	80	
		aat	ttg	act	αta		gat	tta	ata	ctt		ttc	act	cta	cct		288
			Leu														
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80				100					105					110			
			act														384
83	Lys	Ile	Thr	Ser	Ala	Leu			Leu	Asn	Phe	Val		Gly	Met	Gln	
84			115					120					125			•	4.2.0
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	Phe		Ala	Cys	Ile	Ser		Asp	Arg	Tyr	vaı		vaı	Tnr	гуѕ	vaı	
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		ı aca	a tca	atg	aaa	gca	ttg	att	caa	atg	cta	gag	, ato	tgo	att	gga	624
103																gga Gly	624
104	Gly	Thi	Ser 195	Met	Lys	Ala	Leu	11e	Gln	Met	Leu	Glu	1 Ile 205	Cys	: Ile	Gly	624
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104 106 107 108 110	Gly ttt Phe agg	Thi gta Val 210 g aca g Thi	Ser 195 a gta Val	Met ccc Pro	Lys ttt Phe	Ala ctt Leu atg	att Ile 215 cca Pro	Ile 200 atg Met	Gln ggg Gly	Met gtg Val	tgc Cys ata	tac Tyr 220 tct	205 205 ttt Phe	Cys ato E Ile	aca Thi	e Gly a gca a Ala a aaa a Lys	672
104 106 107 108 110 111	Gly ttt Phe agg Arg	Third	Ser 195 a gta Val o cto	Met ccc Pro atg	ttt Phe aag Lys	Alactt Leu atg Met 230	Leu att lle 215	Ile 200 atg Met aac	ggg Gly Gly	Met gtg Val aaa Lys	tgo Cys ata Ile	tac Tyr 220 tct	1 Ile 205 ttt Phe cga	Cys ato Ile Co	aca c aca Thi c cta	e Gly a gca c Ala a aaa a Lys 240	672 720
104 106 107 108 110 112 114	Gly ttt Phe agg Arg 2 225	Thi gta Val 210 aca Thi	Ser 195 a gta L Val ) a cto c Leu	Met  ccc Pro atg	Lys tttt Phe aag Lys gtc	Alactt Leu atg Met 230	Leu att Ile 215 cca Pro	Ile 200 atg Met aac Asn	ggg Gly att	Met gtg Val aaa Lys	tgo Cys ata Ile 235	tac Tyr 220 tct Ser	1 Ile 205 ttt Phe Cga Arg	e Cys	aca caca Thi caca Lei	e Gly a gca a Ala a aaa a Lys 240 a tat	672
104 105 105 116 117 117 114	Gly ttt Phe B agg Arg 2 225 gtt	Thi gta Val 210 aca Thi	Ser 195 a gta L Val ) a cto c Leu	Met ccc Pro atg	ttt Phe aag Lys gtc	Alactt Leu atg Met 230 gtt Val	Leu att Ile 215 cca Pro	Ile 200 atg Met aac Asn	ggg Gly att	Met gtg Val aaa Lys att	tgo Cys ata Ile 235 gto	tac Tyr 220 tct Ser	1 Ile 205 ttt Phe Cga Arg	e Cys	aca caca Thi caca Lei	e Gly a gca a Ala a aaa a Lys 240 a tat b Tyr	672 720
104 106 107 108 110 112 114 115	Gly ttt The Bagg Arg 225 gtt Val	Third gtage Value	Ser 195 a gta L Val ) a cto r Leu g cto	Met ccc Pro atg Met aca	ttt Phe aag Lys gtc Val 245	Alactt Leu atg Met 230 gtt Val	Leu att Ile 215 cca Pro ata	Ile 200 atg Met aac Asn gtt	gggg Gly att	Met gtg Val aaaa Lys att	tgo Cys ata Ile 235 gto Val	tace tace Ser	1 Ile 205 c ttt Phe C cga c Arg	e Cys	acae Thi c ctae Thi c ctae Leu g cctae Pro	e Gly a gca a laaa a laaa a Lys 240 b tat b Tyr	672 720
104 106 107 108 116 117 114 118	Gly ttt The Arg 2 225 4 gtt Val	Thirty Th	Ser Ser 195 a gta L Val Ctc Leu g ctc g tcc	Met ccc Pro atg	Lys ttt Phe aag Lys gtc Val 245	Alactt Leu atg Met 230 gtt Val	Leu att Ile 215 cca Pro ata Ile	Ile 200 atg Met aac Asn gtt Val	gggggggggggggggggggggggggggggggggggggg	Met gtg Val aaaa Lys att	tgo Cys ata Ile 235 gto Val	taces taces to taces act. Three atces act.	1 Ile 205 ttt Phe Phe Cga Arg	c ato	acacacacacacacacacacacacacacacacacacac	e Gly a gca a laaa a laaa a Lys 240 b tat b Tyr b atc	672 720 768
104 106 107 108 116 117 114 118	Gly The The Arg 225 Grant Wal	Thirty Th	Ser Ser 195 a gta L Val Ctc Leu g ctc g tcc	Met ccc Pro atg	tttt Phe aag Lys gtc Val 245 ttc	Alactt Leu atg Met 230 gtt Val	Leu att Ile 215 cca Pro ata Ile	Ile 200 atg Met aac Asn gtt Val	gggggggggggggggggggggggggggggggggggggg	Met gtg Val aaaa Lys att Ile 250 gac Asp	tgo Cys ata Ile 235 gto Val	taces taces to taces act. Three atces act.	1 Ile 205 ttt Phe Phe Cga Arg	c ato	aca c aca c Thi c cta c Leu f cct i Pro 25! c cto	e Gly a gca a laaa a laaa a Lys 240 b tat b Tyr	672 720 768
104 106 107 116 117 114 118 118 118	G Gly  The state of the state o	Third gtage value of the value	Ser 195 a gta l Val ) a ctc c Leu g ctc g tcc e Val	Met ccc Pro atg Met aca Thr aag Lys	ttt Phe aag Lys gtc Val 245 ttc	Alactt Leu atg Met 230 gtt Val	Leu att 1le 215 cca Pro ata Ile	Ile 200 atg Met aac Asn gtt Val	gggggggggggggggggggggggggggggggggggggg	Met gtg Val aaaa Lys att Ile 250 gac Asp	tgo Cys ata Ile 235 gto Val	tace tace tace tace tace tace tace tace	tttt 205 c tttt Phe C cga c Arg C Glr c tace	c ato a coop Pro a cto a cto c tco c ser 270	aca caca caca caca caca caca paca ca	e Gly a gca a laaa a laaa a Lys 240 b tat b Tyr b atc	672 720 768
104 106 107 108 110 112 114 118 118 120 120	G Gly  The state of the state o	Third gtage value of the value	Ser 195 a gta l Val ) a cto c Leu g cto c Yal c yal	Met ccc Pro atg Met aca Thr Lys 260	Lys ttt Phe aag Lys gtc Val 245 ttc Phe	Alactt Leu atg Met 230 gtt Val	Leu att Ile 215 Cca Pro ata Ile cga Arg	Ile 200 atg Met aac Asn ytt Val	gggggggggggggggggggggggggggggggggggggg	Met gtg Val aaaa Lys att Ile 250 gac Asp	tgo Cys ata Ile 235 gto Val	tace state s	ttte Phe Caac Caac Glr tace Tyre atc	c ato a cco pro a cto a cto a cto a cto c tco 270 c cas	a catalog cotalog cota	e Gly a gca a aaa a Lys 240 b tat b Tyr 5 a atc	672 720 768 816
104 106 107 108 110 112 113 114 118 119 120 121 122 123	Gly ttt The Samuel Samu	Thirties gta  Yal  210  Gaca  Thir  Caca  Let  Caca  Sei	Ser 195 a gta L Val C c c c c c c c c c c c c c c c c c c c	Met ccc Pro atg Met aca Thr aag Lys 260 aac Asn	ttt Phe aag Lys gtc Val 245 ttc Phe	atg Met 230 gtt Val tgc Cys	Leu att Ile 215 cca Pro ata Ile cga Arg	Ile 200 atg Met aac Asn ytt Val gcc Ala	gggggggggggggggggggggggggggggggggggggg	Met gtg Val aaaa Lys att 11e 250 gac Asp	tgo Cys ata Ile 235 gto Val	tac Tyr 220 tct Ser act Thr	Ile 205 2ttt Phe Cga Arg Caa Glr Ctag Tyr Cat a Ile 285	Cys  ato  ato  ato  pro  ato  pro  ato  pro  ato  con  con  con  con  con  con  con  c	a cata cata cata cata cata cata cata ca	e Gly a gca a aaa a Lys 240 b tat b Tyr d atc I Ile c aca b Thr	672 720 768 816 864
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104 106 107 116 117 114 118 118 118 119 120 121 122 123 124 125	Gly  The  Arg  Zero  Zero  Arg  Zero  Ze	Thirty Th	Ser 195 a gta l Val l Val cto gto gto cto gto gto cto gto gto gto gto gto gto gto gto gto g	Met ccc Pro atg Met aca Thr 260 Asn	Lys ttt Phe aag Lys gtc Val 245 ttc Phe atg	atg Met 230 gtt Val tgc Cys	Leu att Ile 215 cca Pro ata Ile cga Arg	Ile 200 atg Met aac Asn gtt Val gcc Ala cgc Arg 280 agc Ser	gggggggggggggggggggggggggggggggggggggg	Met gtg Val aaaa Lys att Ile 250 gac Asp	tgo Cys ata Ile 235 gto Val	tace atce atce atce atce atce atce atce	The state of the s	Cys  c atc  c atc  g Pro  c tc  c tc  c Sei  270  c caa  c Ctt	aca aca Thi c cta cta cta Pro 255 c cto cto Val	e Gly a gca a aaa a Lys 240 b tat b Tyr d atc I Ile c aca b Thr	672 720 768 816 864
104 106 107 116 117 114 118 118 118 119 120 121 122 123 130	Gly  The  Arg  Arg  Arg  Arg  Arg  Arg  Arg  Ar	This gta value val	Ser 195 a gtal l Val cto	Met ccc Pro atg Met caa Thr aag Lys 260 aac Asn	Lys ttt Phe aag Lys gtc Val 245 ttc Phe atg Met	Alactt Leu atg Met 230 gtt Val tgc Cys	Leu att Ile 215 cca Pro ata Ile cga Arg aaa Lys cac His	Ile 200 atg Met aac Asn gtt Val gcc Ala 280 agc Ser	gggggggggggggggggggggggggggggggggggggg	Met gtg Val aaaa Lys 250 gac Asp Gac Leu	tgo Cys ata Ile 235 gto Val ato Ile	tace atce Alace CCa 300	tttt 205 c tttt Phe c caa c Arc c tac c Tyr c atc a Ile 285 a atc o Ile	c cto	aca	e Gly a gca a aaa a Lys 240 b tat b Tyr d atc I Ile c aca Thr	672 720 768 816 864

RAW SEQUENCE LISTING DATE: 08/27/2002 PATENT APPLICATION: US/09/721,341 TIME: 10:54:51

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				EQ II ENGTI														
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W>																		
				THER		ORMA!	CION:	che	emoki	ine 1	recep	otor	(CC)	K CKI	₹)			
				EQUE									•		·			
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	162	mbs	т1 о	35	Dho	17-1	Tlo	C1	40	71-	C1	Nan	Cor	45 Mot	1/a l	Val	ת ו ת	
	164	THI	50	Val	PILE	Val	116	55	ьец	АІА	GIY	ASII	60	Met	val	Val	AIA	
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		225	TIIT	TIER	rie t	пуз	230	LIO	WOII	116	пур	235	SET	nry	FIO	μcu	145 240	
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RAW SEQUENCE LISTING

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			EATUE														
269	<223	3> 03	THER	INF	ORMA!	CION	: che	emok:	ine 1	rece	otor	(CCI	39)				
			EQUE														
		Thr	Pro	Thr		Phe	Thr	Ser	Pro		Pro	Asn	Met	Ala		Asp	
273					5					10					15		
	Tyr	Gly	Ser		Ser	Thr	Ser	Ser		Glu	Asp	Tyr	Val		Phe	Asn	
276				20					25					30			
	Phe	Thr		Phe	Tyr	Cys	Glu	Lys	Asn	Asn	Val	Arg		Phe	Ala	Ser	
279			35					40				_	45		_		
	His		Leu	Pro	Pro	Leu	_	Trp	Leu	Val	Phe		Val	Gly	Ala	Leu	
282	_	50		_			55	<b>-</b>	_	_	_	60		_		_	
		Asn	Ser	Leu	Val		Leų	Val	Tyr	Trp		Cys	Thr	Arg	val		
	65			_		· 70	_	_	_	_	75			_	_	80	
	Thr	Met	Thr	Asp		Phe	Leu	Leu	Asn		Ата	ше	Ala	Asp		Leu	
288	_,			m)	85		<b>5</b> 1			90	. 1 -		31-	3	95	m	
	Pne	Leu	vaı		Leu	Pro	Pne	Trp		TTE	Ата	Ala	Ala		GIII	TIP	
291	T	Dho	C1 5	100	Dho	Mot	Cvrc	Tvva	105	Val	N a n	cor	Mo+	110	Tuc	Met	
	гус	Pne		THI	Phe	Met	Cys	Lys 120	val	vai	ASII	ser	125	TÄT	пуз	Met	
294	N a n	Dho	115	Sor	Cvc	17 n 1	Leu	Leu	Tla	Mot	Cvc	т1Д		Va 1	Δen	Δrσ	
297	MSII	130	TÄT	261	Cys	val	135	шеu	116	Het	Cys	140	SCI	Vai	пор	ura	
	ጥ፣፣		λl =	Tla	λls	Gln		Met	λνα	Δla	Hie		Ψrn	Δra	Glu	Lve	
300	_	116	AIG	116	AIG	150	AIG	ricc	пту	AIG	155		115	ni 9	014	160	
		T.e.11	T.a.ı	ጥህን	Ser		Met	Val	Cvs	Phe			Trn.	Val	T.eu		
303	ni 9	пец	шец	171	165	цуз	1100	Val	Cys	170	1111	110	111	, , ,	175		
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306	····u	1114	шец	180	110		014		185	-1-	001	01		190			
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								200									
								Thr							Phe	Phe	
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317						230		•	•	•	235					240	
		Ile	Gln	Ala	Lys		Ser	Ser	Lys	His	Lys	Ala	Leu	Lys	Val	Thr	
320					245	-			•	250	-			-	255		
	Ile	Thr	Val	Leu	Thr	Val	Phe	Val	Leu	Ser	Gln	Phe	Pro	Tyr	Asn	Cys	
323	•			260					265					270		=	
	Ile	Leu	Leu	Val	Gln	Thr	Ile	Asp	Ala	Tyr	Ala	Met	Phe	Ile	Ser	Asn	
326			275					280		-			285				

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/721,341

DATE: 08/27/2002 TIME: 10:54:52

Input Set : N:\Crf3\RULE60\09721341.txt
Output Set: N:\CRF4\08272002\I721341.raw

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